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LI LINED-WATER SUPPLY

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY
CCR CERTIFICATION
CALENDAR YEAR 2014
Public Water Supply Name

820004, 820029, 820030, 820031, 820033 List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community public water system to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. You must mail, fax or email a copy of the CCR and Certification to MSDH. Please check all boxes that apply.

Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
Advertisement in local paper (attach copy of advertisement)  On water bills (attach copy of bill)  Email message (MUST Email the message to the address below)  Other
Date(s) customers were informed: 5 /2 /2015 / / , / /
CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used
Date Mailed/Distributed://
CCR was distributed by Email (MUST Email MSDH a copy)
CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)
Name of Newspaper: The YAZOO HERALD
Date Published: 5 /2 /20/5
CCR was posted in public places. (Attach list of locations)  Date Posted:/
CCR was posted on a publicly accessible internet site at the following address ( <u>DIRECT URL REQUIRED</u> ):
reby certify that the 2014 Consumer Confidence Report (CCR) has been distributed to the customers of this lic water system in the form and manner identified above and that I used distribution methods allowed by SDWA. I further certify that the information included in this CCR is true and correct and is consistent with water quality monitoring data provided to the public water system officials by the Mississippi State artment of Health, Bureau of Public Water Supply.  Secretary  Mayor, Owner, etc.)  Date

Deliver or send via U.S. Postal Service: Bureau of Public Water Supply P.O. Box 1700 ackson, MS 39215

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> May be faxed to: (601)576-7800

May be emailed to: water.reports@msdh.ms.gov



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## 2014 Annual Drinking Water Quality Report Central Yazoo Water Association, Inc. PWS#: 0820004, 0820029, 0820030, 0820031 & 0820033 April 2015

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Sparta Sand and the Meridian Upper Wilcox Aquifer.

If you have any questions about this report or concerning your water utility, please contact Mike Laborde at 662-746-7531. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Monday of each month at 5:00 PM at the main office located at 37 Witherspoon Road, Yazoo City, MS 39194.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Central Yazoo Water Association. Inc. have received lower to moderate susceptibility rankings to contamination.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1st to December 31st, 2014. In cases where monitoring wasn't required in 2014, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000. TEST RESULTS PWS#:0820004 MCLG MCL Likely Source of Contamination Range of Detects Unit Violation Date Level Contaminant or # of Samples Measure-Collected Detected Y/N Exceeding ment MCL/ACL **Inorganic Contaminants** Discharge of drilling wastes; 2013\* .007 No Range ppm 2 10. Barium Ν discharge from metal refineries; erosion of natural deposits Discharge from steel and pulp 100 100 2013\* 2.6 No Range ppb N 13. Chromium mills; erosion of natural deposits Corrosion of household plumbing 1.3 AL = 1.32012/14 .6 0 ppm 14. Copper Ν systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2013*	.502	No Range	ppm		4	4 Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	
17. Lead	N	2012/14	2	0	ppb		0 AL=	5 Corrosion of household plumbing systems, erosion of natural deposits	
Disinfectio	n By-	Products					,,, ·		
81. HAA5	N	2014	10	No Range	ppb	0	60	By-Product of drinking water disinfection.	
82. TTHM	N	2014	13.8	No Range	ppb	0	80	By-product of drinking water chlorination.	
[Total trihalomethanes]								Chloritation.	

PWS#:0820	029		7	TEST RESU	LTS				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source of Contamination	
Inorganic C	Contami	inants							
10. Barium	N	2013*	.011	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	
13. Chromium	N	2013*	2.2	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits	
14. Copper	N	2012/14	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbin systems; erosion of natural deposits; leaching from wood preservatives	
16. Fluoride	N	2013*	.729	No Range	ppm	4	4	Erosion of natural deposits; wat additive which promotes strong teeth; discharge from fertilizer a aluminum factories	
17. Lead	N	2012/14	3	0	ppb	0	AL=15	Corrosion of household plumbin systems, erosion of natural deposits	
Disinfection	ı By-Pr	oducts	I 1	No Range	ppb	Ι ο	60	By-Product of drinking water	
81. FIAAD	19	2013		140 IXange	ppo			disinfection.	
82. TTHM [Total trihalomethanes]	N	2013*	10	No Range	ppb	0	80	By-product of drinking water chlorination.	
Chlorine	N	2014	1.2	.7 – 1.4	mg/l	0	MDRL =	Water additive used to control microbes	

<sup>\*</sup> Most recent sample. No sample required for 2014

PWS#:08	20030			TEST RESULTS				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source of Contamination
Inorganic	Contami	inants						

13. Chromium	N	2014	7.7	No Range	ppb		100	10	Discharge from steel and pulp mills; erosion of natural deposits
16. Fluoride	N	2014	.637	No Range	ppm		4		Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2012/14	1	0	ppb		0	AL=1	5 Corrosion of household plumbing systems, erosion of natural deposits
Disinfectio	n By-Pi	roducts							
81. HAA5	N	2014	16	No Range	ppb		0	6	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2014	47	No Range	ppb		0	8	
Chlorine	N	2014	1.30	.80– 1.9	mg/l		0	MDRL =	Water additive used to control microbes
* Most recent samp	ole. No samj	ole required	for 2014						
PWS#:082	0031			TEST RE	SULTS				
Contaminant	Violation Y/N	Date Collecte	Level d Detecte	"	les Measu	re-	LG	MCL	Likely Source of Contamination
Inorganic	Contan	ninants							
10. Barium	N	2013*	.011	No Range	ppm		2		Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2013*	.008	No Range	ppb		100	10	
14. Copper	N	2012/14	.1	0	ppm		1.3	AL=1.	
16. Fluoride	N	2013*	1.1	No Range	ppm		4		4 Erosion of natural deposits; wate additive which promotes strong teeth; discharge from fertilizer an aluminum factories
17. Lead	N	2012/14	2	0	ppb		0	AL=1	<li>Corrosion of household plumbing systems, erosion of natural deposits</li>
Disinfectio	n Rv-P	roducts	:	-					
81. HAA5	N I	2014	39	No Range	ppb	0		60	By-Product of drinking water
82. TTHM [Total	N	2014	50.5	No Range	ppb	0		80	disinfection. By-product of drinking water chlorination.
trihalomethanes] Chlorine	N	2014	1.2	.70 – 2.10	mg/l	0	MD	RL = 4	Water additive used to control microbes
* Most recent sam	ole. No sam	ple required	for 2014			L			
PWS#:082	0033			TEST RE	SULTS				
Contaminant	Violatior Y/N	Date Collecte	Level Detecte	Range of Dete	ects Unit	re-	LG	MCL	Likely Source of Contamination
Inorganic	Contan	ninants							
10. Barium	N	2013*	.01	No Range	ppm		2		Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

13. Chromium	N	2013*	2.7	No Range	ppb	100	) 10	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2012/14	4 .2	0	ppm	1.3	B AL≖1	<ul> <li>Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives</li> </ul>
16. Fluoride	N	2013*	.782	No Range	ppm	2		Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2012/14	1	0	ppb	(	AL=	15 Corrosion of household plumbing systems, erosion of natural deposits
<b>Disinfectio</b> 81. HAA5	n By-	Product	2 2	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2013*	1.5	No Range	ppb	0	80 By-product of drinking water chlorination.	
Chlorine	N	2014	1.1	.7 – 1.5	mg/l	0 M	DRL = 4	Water additive used to control microbes

<sup>\*</sup> Most recent sample. No sample required for 2014.

As you can see by the table, our system had no contaminate violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected however the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

## Significant Deficiencies

System # 820030- Monitoring and Reporting of Compliance Data Violations:

During a sanitary survey conducted on 7/23/2014, the Mississippi State Department of Health cited the following significant deficiency(s): Failure to meet water supply demands (overloaded by serving greater than 100% capacity.)

Corrective Actions: This system has entered into a Bilateral Compliance Agreement with MSDH to correct this deficiency by 10/31/2015.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our system is required to report certain results pertaining to fluoridation of our water system. For System # 820004 – Fletcher Ch., the number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 6. The percentage of fluoride samples collected in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 5. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 5. The percentage of fluoride samples collected in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 6. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 6. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 48%. For System # 820031 — the number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 83%. For System # 820033 — the number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 8. The percentage of fluoride samples collected in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 67%.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water

from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

The Central Yazoo Water Association, Inc. works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

## PROOF OF PUBLICATION OF NOTICE The State of Mississippi County of <u>YAZOO</u>

Personally appeared before me, the undersigned Notary Public in and for the County and State aforesaid JASON PATTERSON, who being by me first duly sworn state on oath, that he is PUBLISHER of the YAZOO HERALD, a newspaper published in the City of Yazoo City, State and County aforesaid, and that the publication of the notice, a copy of which is hereto attached, has been made in said paper \_\_\_\_\_\_\_times as follows.

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Affiant further states that said newspap next prior to the first publication of said	er has I notice	been esta	blished for a	at least twelve months
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Jason Patterson, Publisher			• •	
Sworn to and subscribed before me, this	s 2º	day of _	May	, <b>20_</b>
(Signed) Sheila D. Trimm-Young				
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